Dialog 10/809,312
3/22/2006 LLM

```
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS? ### Status: Signing onto Dialog ********
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS?  ********
Welcome to DIALOG

### Status: Login successfulDialog level 05.10.03D

Last logoff:  21mar06 16:27:33
Logon file405 22mar06 16:15:26
           *** ANNOUNCEMENTS ***
                    ***
NEW FILES RELEASED
***Regulatory Affairs Journals (File 183)
***Index Chemicus (File 302)
***Inspec (File 202)
                    ***
RELOADS COMPLETED
*** MEDLINE has been reloaded with the 2006 MeSH (Files 154 & 155)
*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

RESUMED UPDATING
***EDGARPLUS(TM)-Williams Act Filings (File 773)
***EDGARPLUS(TM)-Prospectuses (File 774)
***EDGARPLUS(TM)-Registration Statements (File 775)
***EDGARPLUS(TM)-6K,8K, and 10C Filings (File 776)
***EDGARPLUS(TM)-10-K & 20F Filings (File 778)
***EDGARPLUS(TM)-10-Q Filings (File 779)
***EDGARPLUS(TM)-Proxy Statements (File 780)
                    ***
Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus
(File 302).
                    ***
 >>>For the latest news about Dialog products, services, content<<<
 >>>and events, please visit What's New from Dialog at <<<
 >>>http://www.dialog.com/whatsnew/.  You can find news about<<<
 >>>a specific database by entering HELP NEWS <file number>.<<<
* * *
SYSTEM:HOME
Cost is in DialUnits
Menu System II: D2 version 1.7.9 term=ASCII
                      *** DIALOG HOMEBASE(SM) Main Menu ***

 Information:
  1.  Announcements (new files, reloads, etc.)
  2.  Database, Rates, & Command Descriptions
  3.  Help in Choosing Databases for Your Topic
  4.  Customer Services (telephone assistance, training, seminars, etc.)
  5.  Product Descriptions

 Connections:
  6.  DIALOG(R) Document Delivery
  7.  Data Star(R)
```

```
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      /H = Help            /L = Logoff          /NOMENU = Command Mode


Enter an option number to view information or to connect to an online
 service.  Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?
Terminal set to DLINK
                     *** DIALOG HOMEBASE(SM) Main Menu ***

 Information:
  1.  Announcements (new files, reloads, etc.)
  2.  Database, Rates, & Command Descriptions
  3.  Help in Choosing Databases for Your Topic
  4.  Customer Services (telephone assistance, training, seminars, etc.)
  5.  Product Descriptions

 Connections:
  6.  DIALOG(R) Document Delivery
  7.  Data Star(R)

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      /H = Help            /L = Logoff          /NOMENU = Command Mode


Enter an option number to view information or to connect to an online
 service.  Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
? b biosci

>>>          44 is unauthorized
>>>          76 is unauthorized
>>>2 of the specified files are not available
       22mar06 16:15:35 User276741 Session D114.1
            $0.00    0.227 DialUnits FileHomeBase
     $0.00  Estimated cost FileHomeBase
     $0.03  TELNET
     $0.03  Estimated cost this search
     $0.03  Estimated total session cost   0.227 DialUnits


SYSTEM:OS  - DIALOG OneSearch
  File   5:Biosis Previews(R) 1969-2006/Mar W3
         (c) 2006 BIOSIS
  File  24:CSA Life Sciences Abstracts 1966-2006/Feb
         (c) 2006 CSA.
  File  28:Oceanic Abstracts 1966-2006/Feb
         (c) 2006 CSA.
  File  34:SciSearch(R) Cited Ref Sci 1990-2006/Mar W2
         (c) 2006 Inst for Sci Info
  File  35:Dissertation Abs Online 1861-2006/Feb
         (c) 2006 ProQuest Info&Learning
  File  40:Enviroline(R) 1975-2005/Dec
  File  41:Pollution Abstracts 1966-2006/Feb
         (c) 2006 CSA.
  File  50:CAB Abstracts 1972-2006/Feb
         (c) 2006 CAB International
  File  65:Inside Conferences 1993-2006/Mar 22
```

(c) 2006 BLDSC all rts. reserv.
File 71:ELSEVIER BIOBASE 1994-2006/Mar W3
(c) 2006 Elsevier Science B.V.
File 73:EMBASE 1974-2006/Mar 22
(c) 2006 Elsevier Science B.V.
File 91:MANTIS(TM) 1880-2006/Feb
2006 (c) Action Potential
File 94:JICST-EPlus 1985-2006/Dec W4
(c)2006 Japan Science and Tech Corp(JST)
File 98:General Sci Abs 1984-2004/Dec
(c) 2005 The HW Wilson Co.
File 110:WasteInfo 1974-2002/Jul
(c) 2002 AEA Techn Env.
***File 110: This file is closed (no updates)**
File 135:NewsRx Weekly Reports 1995-2006/Mar W2
(c) 2006 NewsRx
***File 135: Please see HELP NEWS135 for information on select**
journal titles.
File 136:BioEngineering Abstracts 1966-2006/Feb
(c) 2006 CSA.
File 143:Biol. & Agric. Index 1983-2006/Feb
(c) 2006 The HW Wilson Co
File 144:Pascal 1973-2006/Feb W4
(c) 2006 INIST/CNRS
File 155:MEDLINE(R) 1951-2006/Mar 21
(c) format only 2006 Dialog
***File 155: Medline has been reloaded. Some accession numbers**
have changed.
File 164:Allied & Complementary Medicine 1984-2006/Mar
(c) 2006 BLHCIS
File 172:EMBASE Alert 2006/Mar 22
(c) 2006 Elsevier Science B.V.
File 185:Zoological Record Online(R) 1978-2006/Mar
(c) 2006 BIOSIS
File 357:Derwent Biotech Res. _1982-2006/Mar W3
(c) 2006 Thomson Derwent & ISI
File 369:New Scientist 1994-2006/Aug W4
(c) 2006 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
***File 370: This file is closed (no updates). Use File 47 for more current**
information.
File 391:Beilstein Reactions 2005/Q3
(c) 2005 Beilstein GmbH
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 467:ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.
***File 467: F467 will close on February 1, 2006.** 7.

Set	Items	Description

? s (((b-zip (w) transcription (w) factor) and ATF5) or ATF5 or ATF-5 or ATFX
or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5 or
(activating (w) transcription (w) factor-5))

	35	B-ZIP
	1553529	TRANSCRIPTION
	5462283	FACTOR
	0	B-ZIP(W)TRANSCRIPTION(W)FACTOR
	109	ATF5
	109	ATF5

```
              0  ATF-5
             44  ATFX
              0  ATF-X
              4  ATF-7
             24  ATF7
              0  NTAZIP-ATF5
              0  NTAZIPATF5
              0  NTAZIP-ATF-5
         364231  ACTIVATING
        1553529  TRANSCRIPTION
            141  FACTOR-5
              1  ACTIVATING(W)TRANSCRIPTION(W)FACTOR-5
      S1    179  (((B-ZIP (W) TRANSCRIPTION (W) FACTOR) AND ATF5) OR ATF5
                 OR ATF-5 OR ATFX OR ATF-X OR ATF-7 OR ATF7 OR NTAZIP-ATF5
                 OR NTAZIPATF5 OR NTAZIP-ATF-5 OR (ACTIVATING (W)
                 TRANSCRIPTION (W) FACTOR-5))
? s s1 and  ((differentiate or differentiation) (w) ((neural (w) stem) or
(neural (w) progenitor)))
            179  S1
         234466  DIFFERENTIATE
        1460002  DIFFERENTIATION
        2513029  NEURAL
         897134  STEM
          12501  NEURAL(W)STEM
        2513029  NEURAL
         172683  PROGENITOR
           4855  NEURAL(W)PROGENITOR
            105  (DIFFERENTIATE OR DIFFERENTIATION)(W)(NEURAL(W)STEM OR
                 NEURAL(W)PROGENITOR)
      S2      1  S1 AND  ((DIFFERENTIATE OR DIFFERENTIATION) (W) ((NEURAL
                 (W) STEM) OR (NEURAL (W) PROGENITOR)))
? t s2/medium,k
```

2/K/1 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts
(c) 2006 CSA. All rts. reserv.

0002761745 IP ACCESSION NO: 6246196

Downregulation of Activating Transcription Factor 5 Is Required for Differentiation of Neural Progenitor Cells into Astrocytes

Angelastro, James M; Mason, Jeffrey L; Ignatova, Tatyana N; Kukekov, Valery G; Stengren, George B; Goldman, James E; Greene, Lloyd A
Department of Pathology and Center for Neurobiology and Behavior, Columbia University College of Physicians and Surgeons, New York, New York 10032, Farber Institute for Neuroscience, Thomas Jefferson University, Philadelphia, Pennsylvania 19107, and Departments of Neuroscience and Neurosurgery, McKnight Brain Institute, Shands Cancer Center, University of Florida, Gainesville, Florida 32610

Journal of Neuroscience, v 25, n 15, p 3889-3899, April 2005
PUBLICATION DATE: 2005

PUBLISHER: Society for Neuroscience, 11 Dupont Circle, N.W. Suite 500 Washington DC 20036 USA, [mailto:info@sfn.org], [URL:http://apu.sfn.org/]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0270-6474

ELECTRONIC ISSN: 1529-2401
FILE SEGMENT: CSA Neurosciences Abstracts

ABSTRACT:
... regulate neural progenitor cell differentiation are primarily unknown. The transcription factor activating transcription factor 5 (**ATF5**) is expressed in neural progenitors of developing brain but is absent from mature astrocytes and neurons. Here, we demonstrate that **ATF5** regulates the conversion of ventricular zone (VZ) and subventricular zone (SVZ) neural progenitors into astrocytes. Constitutive **ATF5** expression maintains neural progenitor cell proliferation and blocks their in vitro and in vivo differentiation into astrocytes. Conversely, loss of **ATF5** function promotes cell-cycle exit and allows astrocytic differentiation in vitro and in vivo. CNTF, a promoter of astrocytic differentiation, downregulates endogenous **ATF5** , whereas constitutively expressed **ATF5** suppresses CNTF-promoted astrocyte genesis. Unexpectedly, constitutive **ATF5** expression in neonatal SVZ cells both in vitro and in vivo causes them to acquire properties and anatomic distributions of VZ cells. These findings identify **ATF5** as a key regulator of astrocyte formation and potentially of the VZ to SVZ transition.

DESCRIPTORS: Astrocytes; **Differentiation** ; **Neural stem cells** ; **Tra**
nscription factors; Promoters; Brain; subventricular zone;
ventricular zone
IDENTIFIERS: **ATF5** protein

```
? s (inhibit or inhibition or downregulate) (s) (((b-zip (w) transcription (w)
factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or
NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5 or (activating (w) transcription (w)
factor-5))
          788016  INHIBIT
         2740045  INHIBITION
           13237  DOWNREGULATE
              35  B-ZIP
         1553529  TRANSCRIPTION
         5462283  FACTOR
               0  B-ZIP(W)TRANSCRIPTION(W)FACTOR
             109  ATF5
             109  ATF5
               0  ATF-5
              44  ATFX
               0  ATF-X
               4  ATF-7
              24  ATF7
               0  NTAZIP-ATF5
               0  NTAZIPATF5
               0  NTAZIP-ATF-5
          364231  ACTIVATING
         1553529  TRANSCRIPTION
             141  FACTOR-5
               1  ACTIVATING(W)TRANSCRIPTION(W)FACTOR-5
      S3      17  (INHIBIT OR INHIBITION OR DOWNREGULATE) (S) (((B-ZIP (W)
                  TRANSCRIPTION (W) FACTOR) AND ATF5) OR ATF5 OR ATF-5 OR
                  ATFX OR ATF-X OR ATF-7 OR ATF7 OR NTAZIP-ATF5 OR
                  NTAZIPATF5 OR NTAZIP-ATF-5 OR (ACTIVATING (W)
                  TRANSCRIPTION (W) FACTOR-5))
? s s3 and ((differentiate or differentiation)
>>>Unmatched parentheses
? s s3 and (differentiate or differentiation)
              17  S3
          234466  DIFFERENTIATE
```

```
        1460002  DIFFERENTIATION
     S4       9  S3 AND (DIFFERENTIATE OR DIFFERENTIATION)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S5       4  RD  (unique items)
? s s5 and ((neurotrophic (w) factor) or ngf or (nerve (w) growth (w) factor)
or GDNF or NT3 or CTNF or BDNF )
Processing
Processed  10 of  29 files ...
Completed processing all files
               4  S5
           89793  NEUROTROPHIC
         5462283  FACTOR
           63988  NEUROTROPHIC(W)FACTOR
           65888  NGF
         1554098  NERVE
         6581162  GROWTH
         5462283  FACTOR
          104998  NERVE(W)GROWTH(W)FACTOR
           11751  GDNF
            1877  NT3
              56  CTNF
           27626  BDNF
     S6       3  S5 AND ((NEUROTROPHIC (W) FACTOR) OR NGF OR (NERVE (W)
                 GROWTH (W) FACTOR) OR GDNF OR NT3 OR CTNF OR BDNF )
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S7       3  RD  (unique items)
? s s7 and  ((neural (w) stem) or (neural (w) progenitor))
               3  S7
         2513029  NEURAL
          897134  STEM
           12501  NEURAL(W)STEM
         2513029  NEURAL
          172683  PROGENITOR
            4855  NEURAL(W)PROGENITOR
     S8       2  S7 AND  ((NEURAL (W) STEM) OR (NEURAL (W) PROGENITOR))
? type s8/medium,k/all

 8/K/1     (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0014355612   BIOSIS NO.: 200300314331
Regulated expression of ATF5 is required for the progression of  neural
  progenitor  cells to neurons.
AUTHOR: Angelastro James M (Reprint); Ignatova Tatyana N; Kukekov Valery G;
  Steindler Dennis A; Stengren George B; Mendelsohn Cathy; Greene Lloyd A
AUTHOR ADDRESS: Columbia University College of Physicians and Surgeons, 630
  West 168th Street, 15-401, New York, NY, 10032, USA**USA
AUTHOR E-MAIL ADDRESS: jma14@columbia.edu
JOURNAL: Journal of Neuroscience  23 (11): p4590-4600 June 1, 2003 2003
MEDIUM: print
ISSN: 0270-6474 _(ISSN print)
DOCUMENT TYPE: Article
```

RECORD TYPE: Abstract
LANGUAGE: English

Regulated expression of ATF5 is required for the progression of neural progenitor **cells to neurons.**

...ABSTRACT: the transition of neuroprogenitor cells to postmitotic neurons. We report that the bZIP transcription factor **ATF5** plays a major regulatory role in this process. In developing brain **ATF5** expression is high within ventricular zones containing **neural stem** and progenitor cells and is undetectable in postmitotic neurons. In attached clonal neurosphere cultures **ATF5** is expressed by **neural stem** /progenitor cells and is undetectable in tau-positive neurons. In PC12 cell cultures **nerve growth factor** (**NGF**) dramatically downregulates endogenous **ATF5** protein and transcripts, whereas exogenous **ATF5** suppresses **NGF** -promoted neurite outgrowth. Such **inhibition** requires the repression of CRE sites. In contrast, loss of function conferred by dominant-negative **ATF5** accelerates **NGF** -promoted neuritogenesis. Exogenous **ATF5** also suppresses, and dominant-negative **ATF5** and a small-interfering RNA targeted to **ATF5** promote, neurogenesis by cultured nestin-positive telencephalic cells. These findings indicate that **ATF5** blocks the **differentiation** of neuroprogenitor cells into neurons and must be downregulated to permit this process to occur.
...REGISTRY NUMBERS: **nerve growth factor**
DESCRIPTORS:
...ORGANISMS: PARTS ETC: **neural progenitor** cells
CHEMICALS & BIOCHEMICALS: ... **nerve growth factor** (**NGF**);

8/K/2 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0376920 DBR Accession No.: 2005-22626 PATENT
Promoting differentiation **of** neural stem **cell or** neural progenitor **cell into differentiated neural cell, involves inhibiting b-zip transcription factor in cell -** neural stem **cell culture and** differentiation **promotion for use in disease therapy and tissue engineering**
AUTHOR: GREENE L A; ANGELASTRO J M
PATENT ASSIGNEE: GREENE L A; ANGELASTRO J M 2005
PATENT NUMBER: US 20050164384 PATENT DATE: 20050728 WPI ACCESSION NO.: 2005-521426 (200553)
PRIORITY APPLIC. NO.: US 809312 APPLIC. DATE: 20040324
NATIONAL APPLIC. NO.: US 809312 APPLIC. DATE: 20040324
LANGUAGE: English

Promoting differentiation **of** neural stem **cell or** neural progenitor **cell into differentiated neural cell, involves inhibiting b-zip transcription factor in cell -** neural stem **cell culture and** differentiation **promotion for use in disease therapy and tissue engineering**
ABSTRACT: DERWENT ABSTRACT: NOVELTY - Promoting (M1) **differentiation** of a **neural stem** cell or a **neural progenitor** cell into a differentiated neural cell, involves inhibiting b-zip transcription factor (**ATF5**) in the cell. DETAILED DESCRIPTION - Promoting (M1) **differentiation** of a **neural stem** cell or a **neural progenitor** cell into a differentiated neural cell, involves inhibiting b-zip

transcription factor (**ATF5**) in the cell. Optionally, (M1) involves contacting the **neural stem** cells or **neural progenitor** cells with **ATF5** to suppress **differentiation** in the **neural stem** cells or **neural progenitor** cells, for suppressing **differentiation** of **neural stem** cells or **neural progenitor** cells into differentiated neural cells. INDEPENDENT CLAIMS are also included for: (1) a differentiated neural...

... by (M1); (2) producing (M2) differentiated neural cells, involves obtaining or generating a culture of **neural stem** cells or **neural progenitor** cells, contacting the culture of **neural stem** cells or **neural progenitor** cells with **ATF5** inhibitor to produce differentiated neural cells, and optionally, contacting the differentiated neural cells with one...

... 5) isolating a population of differentiated neural cells, involves obtaining or generating a culture of **neural stem** cells or **neural progenitor** cells that express enhanced green fluorescent protein (eGFP), contacting the culture of **neural stem** cells or **neural progenitor** cells with **ATF5** inhibitor to produce differentiated neural cells that express eGFP, optionally, contacting the differentiated neural cells...

... treating a condition associated with nervous tissue degeneration, involves obtaining or generating a culture of **neural stem** cells or **neural progenitor** cells, contacting the **neural stem** cells or **neural progenitor** cells with **ATF5** inhibitor to produce neurons, where some or all of the neurons are degenerated, contacting the...

... all of the degenerated neurons; (7) a composition (C1), comprising a nucleic acid encoding an **ATF5** inhibitor, a vector, and optionally, a carrier; (8) identifying (M5) an agent which inhibits **ATF5** , involves contacting a candidate agent with **ATF5** , in the presence of cAMP response element (CRE), and assessing the ability of the candidate agent to **inhibit** interaction between **ATF5** and CRE; (9) determining whether a subject has a neural tumor, involves assaying a diagnostic sample of the subject for **ATF5** , where detection of an **ATF5** level elevated above normal is diagnostic of a neural tumor in the subject; (10) assessing...

... undergoing treatment for a neural tumor, involves assaying a diagnostic sample of the subject for **ATF5** , where a normal level of **ATF5** in the diagnostic sample is indicative of successful therapy to treat the neural tumor, and a level of **ATF5** elevated above normal in the diagnostic sample is indicative of a need to continue therapy...

...subject who has a neural tumor, involves assaying a diagnostic sample of the subject for **ATF5** , where the subject's prognosis improves with a decreased level of **ATF5** in the diagnostic sample, and the subject's prognosis worsens with an increased level of **ATF5** in the diagnostic sample; and (12) kit (K1) for use in detecting a neural tumor, comprising an **ATF5** -specific agent, and reagents suitable for detecting **ATF5** , where the **ATF5** specific agent is chosen from an agent reactive with **ATF5** and a nucleic acid probe which hybridizes to nucleic acid encoding **ATF5** . BIOTECHNOLOGY - Preferred Method: (M1) further involves contacting the **neural stem** cell or **neural progenitor** cell with one or more neurotrophic factors. The differentiated neural cell is chosen from astrocyte...

... cell, neuron, oligodendrocyte, oligodendroglial cell, and Schwann cell.

The differentiated neural cell expresses eGFP. The **ATF5** is inhibited in the **neural stem** or **neural progenitor** cell, in vivo or in vitro, by contacting the cell with an inhibitor of **ATF5** . (M1) further involves the step of transplanting the differentiated neural cell into a subject (e...

... cells into a subject. (M5) further involves the step of contacting the candidate agent with **neural stem** cells or **neural progenitor** cell containing **ATF5** , and determining if the agent has an effect on an **ATF5** -associated biological event in the cells. The **neural stem** cells are **neural progenitor** cells express luciferase. ACTIVITY - Neuroprotective; Nootropic; Tranquilizer; Vulnerary; Respiratory-Gen.; Vasotropic; Muscular-Gen.; Cerebroprotective; Nootropic; Antidiabetic; Immunosuppressive; Antiinflammatory; CNS-Gen.; Antibacterial; Anti-HIV. MECHANISM OF ACTION - Inhibits **ATF5** in cell (claimed). In vitro analysis of the effect of exogenous **ATF5** and of NTAzip- **ATF5** on **nerve growth factor** (**NGF**)-promoted neurite outgrowth was carried out as follows. The pheochromocytoma (PC12) cells were transiently transfected with pCMS-eGFP, without insert or expressing FLAG-tagged ATG5 or FLAG-tagged NTAzip- **ATF5** . Two days after transfection, the cultures were treated with **NGF** . Cultures were fixed at the indicated times, after commencement of **NGF** exposure, and immunostained with anti-GFP and anti-FLAG. Transfected cells were assessed for the presence or absence of neuritis. The results indicated that overexpression of **ATF5** represses neurite outgrowth in PC12 cells and NTAzip- **ATF5** accelerates neuritogenesis. USE - (M1) is useful for promoting **differentiation** of **neural stem** cell or **neural progenitor** cell into differentiated neural cell. (K1) is useful in detecting a neural tumor. (M4) is...

DESCRIPTORS: **neural stem** cell, progenitor cell culture, **differentiation** promotion, b-zip transcription factor **inhibition** , **ATF5** -inhibitor, expression vector, **neurotrophic factor** , enhanced green fluorescent protein, nervous tissue degeneration, Alzheimer disease, blunt trauma, hypoxia, invasive trauma, cerebral...

```
? ds

Set     Items   Description
S1        179   (((B-ZIP (W) TRANSCRIPTION (W) FACTOR) AND ATF5) OR ATF5 OR
                 ATF-5 OR ATFX OR ATF-X OR ATF-7 OR ATF7 OR NTAZIP-ATF5 OR NT-
                AZIPATF5 OR NTAZIP-ATF-5 OR (ACTIVATING (W) TRANSCRIPTION (W)
                FACTOR-5))
S2          1   S1 AND ((DIFFERENTIATE OR DIFFERENTIATION) (W) ((NEURAL (-
                W) STEM) OR (NEURAL (W) PROGENITOR)))
S3         17   (INHIBIT OR INHIBITION OR DOWNREGULATE) (S) (((B-ZIP (W) T-
                RANSCRIPTION (W) FACTOR) AND ATF5) OR ATF5 OR ATF-5 OR ATFX OR
                 ATF-X OR ATF-7 OR ATF7 OR NTAZIP-ATF5 OR NTAZIPATF5 OR NTAZI-
                P-ATF-5 OR (ACTIVATING (W) TRANSCRIPTION (W) FACTOR-5))
S4          9   S3 AND (DIFFERENTIATE OR DIFFERENTIATION)
S5          4   RD  (unique items)
S6          3   S5 AND ((NEUROTROPHIC (W) FACTOR) OR NGF OR (NERVE (W) GRO-
                WTH (W) FACTOR) OR GDNF OR NT3 OR CTNF OR BDNF )
S7          3   RD  (unique items)
S8          2   S7 AND ((NEURAL (W) STEM) OR (NEURAL (W) PROGENITOR))
? s s1 and ((neurotrophic (w) factor) or ngf or (nerve (w) growth (w) factor)
or GDNF or NT3 or CTNF or BDNF )
Processing
Processed  20 of  29 files ...
Completed processing all files
           179  S1
         89793  NEUROTROPHIC
```

```
          5462283  FACTOR
            63988  NEUROTROPHIC(W)FACTOR
            65888  NGF
          1554098  NERVE
          6581162  GROWTH
          5462283  FACTOR
           104998  NERVE(W)GROWTH(W)FACTOR
            11751  GDNF
             1877  NT3
               56  CTNF
            27626  BDNF
      S9        9  S1 AND ((NEUROTROPHIC (W) FACTOR) OR NGF OR (NERVE (W)
                   GROWTH (W) FACTOR) OR GDNF OR NT3 OR CTNF OR BDNF )
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S10       4  RD  (unique items)
? s s10 and (differentiate or differentiation)
               4  S10
          234466  DIFFERENTIATE
         1460002  DIFFERENTIATION
     S11       4  S10 AND (DIFFERENTIATE OR DIFFERENTIATION)
? s s11 not pd>030404
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
               4  S11
         7215677  PD>030404
     S12       3  S11 NOT PD>030404
? t s12/free/1-3

 12/8/1     (Item 1 from file: 5)
0014792853   BIOSIS NO.: 200400160194
Functional expression of  ATF5  in ventricular zone neuronal progenitors
  during neocortical development.
2003


 12/8/2     (Item 2 from file: 5)
0014355612   BIOSIS NO.: 200300314331
Regulated expression of  ATF5  is required for the progression of neural
  progenitor cells to neurons.
2003


 12/8/3     (Item 1 from file: 155)
DIALOG(R)File 155:(c) format only 2006 Dialog. All rts. reserv.

19897017   PMID: 15829641
   Downregulation of activating transcription factor 5 is required for
 differentiation of neural progenitor cells into astrocytes.
Apr 13 2005
  Descriptors:     *Activating    Transcription    Factors--metabolism--ME;
*Astrocytes--metabolism--ME;   *Cell   Differentiation   --physiology--PH;
*Down-Regulation--physiology--PH;   *Neurons--metabolism--ME;  *Stem  Cells
--physiology--PH;  Activating Transcription Factors--genetics--GE; Animals;
Animals,   Newborn;   Astrocytes--drug   effects--DE;   Brain  --anatomy  and
histology--AH;   Brain--metabolism--ME;  Bromodeoxyuridine--metabolism--ME;
Cell  Count--methods--MT;  Cell  Differentiation --drug effects--DE; Cells,
```

Cultured; Ciliary **Neurotrophic Factor** --pharmacology--PD; Comparative Study; Down-Regulation--drug effects--DE; Embryo; Glial Fibrillary Acidic Protein--metabolism--ME; Green Fluorescent Proteins--biosynthesis--BI; Immunohistochemistry--methods--MT; Intermediate Filament Proteins --metabolism--ME; Ki-67 Antigen--metabolism--ME; Microscopy, Confocal --methods--MT; Models, Anatomic; Nerve Tissue Proteins--metabolism--ME; Neural Cell Adhesion Molecule L1--pharmacology--PD; Neurons--drug effects --DE; RNA, Messenger--metabolism--ME; RNA, Small Interfering--pharmacology --PD; Rats; Rats, Sprague-Dawley; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Reverse Transcriptase Polymerase Chain Reaction--methods--MT; Sialic Acids--pharmacology--PD; Stem Cells --drug effects--DE; Transfection--methods--MT; Tubulin--metabolism--ME; beta Catenin--metabolism--ME

CAS Registry No.: 0 (Activating Transcription Factors); 0 (Ciliary Neurotrophic Factor); 0 (Glial Fibrillary Acidic Protein); 0 (Intermediate Filament Proteins); 0 (Ki-67 Antigen); 0 (Nerve Tissue Proteins); 0 (Neural Cell Adhesion Molecule L1); 0 (RNA, Messenger); 0 (RNA, Small Interfering); 0 (Sialic Acids); 0 (Tubulin); 0 (beta Catenin); 0 (nestin); 0 (polysialyl neural cell adhesion molecule); 147336-22-9 (Green Fluorescent Proteins); 59-14-3 (Bromodeoxyuridine)

```
? s s1 and (transplant?? (s) ((differentiated or mature) (w) (neural (w)
cell)))
Processing
Processed  10 of  29 files ...
Processing
Completed processing all files
            179  S1
         595931  TRANSPLANT??
         413532  DIFFERENTIATED
         634023  MATURE
        2513029  NEURAL
       13817386  CELL
              2  TRANSPLANT??(S)(DIFFERENTIATED OR MATURE)(W)NEURAL(W)CELL
    S13       0  S1 AND (TRANSPLANT?? (S) ((DIFFERENTIATED OR MATURE) (W)
                 (NEURAL (W) CELL)))
? s s1 and ( ((differentiated or mature) (w) (neural (w) cell)))
Processing
            179  S1
         413532  DIFFERENTIATED
         634023  MATURE
        2513029  NEURAL
       13817386  CELL
             33  (DIFFERENTIATED OR MATURE)(W)NEURAL(W)CELL
    S14       1  S1 AND ( ((DIFFERENTIATED OR MATURE) (W) (NEURAL (W)
                 CELL)))
?  t s14/free/1
```

14/8/1 (Item 1 from file: 357)

0376920 DBR Accession No.: 2005-22626

Promoting differentiation of neural stem cell or neural progenitor cell into differentiated neural cell **, involves inhibiting b-zip transcription factor in cell - neural stem cell culture and differentiation promotion for use in disease therapy and tissue engineering** 2005

```
? s s1 and (neurodegeneration or  neurodegenerative)
            179  S1
          47587  NEURODEGENERATION
          96196  NEURODEGENERATIVE
    S15       2  S1 AND (NEURODEGENERATION OR  NEURODEGENERATIVE)
? rd
```

```
>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S16       2  RD  (unique items)
? t s16/free/all

 16/8/1     (Item 1 from file: 357)
0376920  DBR Accession No.: 2005-22626
Promoting differentiation of neural stem cell or neural progenitor cell
    into differentiated neural cell, involves inhibiting b-zip
    transcription factor in cell - neural stem cell culture and
    differentiation promotion for use in disease therapy and tissue
    engineering  2005


 16/8/2     (Item 2 from file: 357)
0354939  DBR Accession No.: 2005-00643
Obtaining neural progenitor cells for treating  neurodegenerative
    disorders comprises dissociating undifferentiated human
    blastocyst-derived stem (hBS) cells by enzymatic/mechanical treatment
    to obtain hBS cell aggregates or single cells - stem cell culture for
    neural progenitor cell production for use in disease cell therapy and
    transplantation  2004
? ds

Set     Items   Description
S1        179   (((B-ZIP (W) TRANSCRIPTION (W) FACTOR) AND ATF5) OR ATF5 OR
               ATF-5 OR ATFX OR ATF-X OR ATF-7 OR ATF7 OR NTAZIP-ATF5 OR NT-
              AZIPATF5 OR NTAZIP-ATF-5 OR (ACTIVATING (W) TRANSCRIPTION (W)
              FACTOR-5))
S2          1   S1 AND  ((DIFFERENTIATE OR DIFFERENTIATION) (W) ((NEURAL (-
              W) STEM) OR (NEURAL (W) PROGENITOR)))
S3         17   (INHIBIT OR INHIBITION OR DOWNREGULATE) (S) (((B-ZIP (W) T-
              RANSCRIPTION (W) FACTOR) AND ATF5) OR ATF5 OR ATF-5 OR ATFX OR
               ATF-X OR ATF-7 OR ATF7 OR NTAZIP-ATF5 OR NTAZIPATF5 OR NTAZI-
              P-ATF-5 OR (ACTIVATING (W) TRANSCRIPTION (W) FACTOR-5))
S4          9   S3 AND (DIFFERENTIATE OR DIFFERENTIATION)
S5          4   RD  (unique items)
S6          3   S5 AND ((NEUROTROPHIC (W) FACTOR) OR NGF OR (NERVE (W) GRO-
              WTH (W) FACTOR) OR GDNF OR NT3 OR CTNF OR BDNF )
S7          3   RD  (unique items)
S8          2   S7 AND  ((NEURAL (W) STEM) OR (NEURAL (W) PROGENITOR))
S9          9   S1 AND ((NEUROTROPHIC (W) FACTOR) OR NGF OR (NERVE (W) GRO-
              WTH (W) FACTOR) OR GDNF OR NT3 OR CTNF OR BDNF )
S10         4   RD  (unique items)
S11         4   S10 AND (DIFFERENTIATE OR DIFFERENTIATION)
S12         3   S11 NOT PD>030404
S13         0   S1 AND (TRANSPLANT?? (S) ((DIFFERENTIATED OR MATURE) (W) (-
              NEURAL (W) CELL)))
S14         1   S1 AND ( ((DIFFERENTIATED OR MATURE) (W) (NEURAL (W) CELL)-
              ))
S15         2   S1 AND (NEURODEGENERATION OR  NEURODEGENERATIVE)
S16         2   RD  (unique items)
? s s4 and  ((neural (w) stem) or (neural (w) progenitor))
                9  S4
          2513029  NEURAL
           897134  STEM
            12501  NEURAL(W)STEM
          2513029  NEURAL
           172683  PROGENITOR
```

```
          4855  NEURAL(W)PROGENITOR
     S17     7  S4 AND  ((NEURAL (W) STEM) OR (NEURAL (W) PROGENITOR))
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S18     2  RD  (unique items)
? t s18/free/all

 18/8/1     (Item 1 from file: 5)
0014355612   BIOSIS NO.: 200300314331
Regulated expression of ATF5 is required for the progression of  neural
  progenitor  cells to neurons.
2003


 18/8/2     (Item 1 from file: 357)
0376920  DBR Accession No.: 2005-22626
Promoting  differentiation  of  neural   stem  cell or  neural   progenitor
     cell into differentiated neural cell, involves inhibiting b-zip
    transcription factor in cell -  neural   stem  cell culture and
    differentiation  promotion for use in disease therapy and tissue
    engineering  2005
? save temp
Temp SearchSave "TA210962792" stored
? logoff
       22mar06 16:32:50 User276741 Session D114.2
           $16.19    2.744 DialUnits File5
              $0.00  3 Type(s) in Format  6
              $0.16  1 Type(s) in Format 95 (KWIC)
            $0.16  4 Types
    $16.35  Estimated cost File5
            $3.18    0.513 DialUnits File24
              $2.50  1 Type(s) in Format  3
            $2.50  1 Types
     $5.68  Estimated cost File24
            $0.66    0.107 DialUnits File28
     $0.66  Estimated cost File28
           $42.14    1.795 DialUnits File34
    $42.14  Estimated cost File34
            $0.77    0.187 DialUnits File35
     $0.77  Estimated cost File35
            $0.59    0.082 DialUnits File40
     $0.59  Estimated cost File40
            $0.51    0.082 DialUnits File41
     $0.51  Estimated cost File41
            $1.70    0.369 DialUnits File50
     $1.70  Estimated cost File50
            $0.55    0.147 DialUnits File65
     $0.55  Estimated cost File65
            $6.96    0.791 DialUnits File71
     $6.96  Estimated cost File71
           $19.98    1.784 DialUnits File73
    $19.98  Estimated cost File73
            $0.41    0.096 DialUnits File91
     $0.41  Estimated cost File91
            $1.56    0.447 DialUnits File94
     $1.56  Estimated cost File94
            $0.95    0.224 DialUnits File98
```

```
     $0.95  Estimated cost File98
            $0.45    0.078 DialUnits File110
     $0.45  Estimated cost File110
            $1.08    0.200 DialUnits File135
     $1.08  Estimated cost File135
            $0.66    0.107 DialUnits File136
     $0.66  Estimated cost File136
            $0.47    0.158 DialUnits File143
     $0.47  Estimated cost File143
            $4.82    1.071 DialUnits File144
     $4.82  Estimated cost File144
            $5.20    1.529 DialUnits File155
               $0.00  1 Type(s) in Format  8
            $0.00  1 Types
     $5.20  Estimated cost File155
            $0.26    0.076 DialUnits File164
     $0.26  Estimated cost File164
            $1.19    0.107 DialUnits File172
     $1.19  Estimated cost File172
            $0.81    0.131 DialUnits File185
     $0.81  Estimated cost File185
            $6.79    0.304 DialUnits File357
               $2.60  1 Type(s) in Format  3
               $0.00  4 Type(s) in Format  6
            $2.60  5 Types
     $9.39  Estimated cost File357
            $0.31    0.089 DialUnits File369
     $0.31  Estimated cost File369
            $0.26    0.076 DialUnits File370
     $0.26  Estimated cost File370
            $0.00    0.102 DialUnits File391
     $0.00  Estimated cost File391
            $5.48    0.233 DialUnits File434
     $5.48  Estimated cost File434
            $0.38    0.060 DialUnits File467
     $0.38  Estimated cost File467
            OneSearch, 29 files, 13.688 DialUnits FileOS
     $4.80  TELNET
   $134.37  Estimated cost this search
   $134.40  Estimated total session cost  13.915 DialUnits

Logoff: level 05.10.03 D  16:32:50

You are now logged off
```

10/809,312 LLM
3/22/2006

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20050164384"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 13:10
L2	2	"5846984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 13:57
L3	91	((b-zip adj transcription adj factor) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:09
L4	2	L3 and (Inhibit$ near (ATF5 or ATF-5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:07
L5	31	(((b-zip adj transcription adj factor) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)) same inhibit$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:01
L6	10	(((b-zip adj transcription adj factor) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)) with inhibit$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:01
L7	2	(((b-zip adj transcription adj factor) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)) near inhibit$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:01
L8	6	L3 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:09
L9	2	L3 and ((differentiate or differentiation) with ((neural adj stem) or (neural adj progenitor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:06

EAST Search History

L10	46	L3 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:08
L12	0	L4 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:06
L13	22	L5 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:08
L14	6	L8 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:06
L15	0	L8 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:06
L16	5	(inhibit or inhibition or downregulate) with ((b-zip adj transcription adj factor) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:08
L17	3	L16 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:10
L18	77	(((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:11
L19	2	(inhibit or inhibition or downregulate) with (((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:09

EAST Search History

L20	3	(inhibit or inhibition or downregulate) same (((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:12
L21	1	L20 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:10
L22	77	(((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5 or (activating adj transcription adj factor-5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:05
L23	3	(inhibit or inhibition or downregulate) same (((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5 or (activating adj transcription adj factor-5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:07
L24	2	L23 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 14:12
L25	35	L3 and ((neurotrophic adj factor) or ngf (nerve adj growth adj factor) or GDNF or NT3 or CTNF or BDNF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 15:58
L26	35	L3 and ((neurotrophic adj factor) or ngf or (nerve adj growth adj factor) or GDNF or NT3 or CTNF or BDNF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:00
L27	34	L22 and ((neurotrophic adj factor) or ngf or (nerve adj growth adj factor) or GDNF or NT3 or CTNF or BDNF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 15:59
L28	2	L23 and ((neurotrophic adj factor) or ngf or (nerve adj growth adj factor) or GDNF or NT3 or CTNF or BDNF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:00

EAST Search History

L29	2	L27 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:01
L30	1638	((inhibit or inhibition or downregulate) same ((neurotrophic adj factor) or ngf or (nerve adj growth adj factor) or GDNF or NT3 or CTNF or BDNF))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:05
L31	8	L30 and (((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5 or (activating adj transcription adj factor-5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:05
L32	2	L3 and ((differentiated or mature) adj (neural adj cell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:10
L33	17	(inhibit or inhibitor or inhibition or downregulate) same (((b-zip adj transcription adj factor) and ATF5) or ATF5 or ATF-5 or ATFX or ATF-X or ATF-7 or ATF7 or NTAzip-ATF5 or NTAzipATF5 or NTAzip-ATF-5 or (activating adj transcription adj factor-5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:07
L34	10	L33 and @ad<"20030404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:08
L35	0	L34 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:09
L36	2	L3 and (transplant$ same ((differentiated or mature) adj (neural adj cell)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:10
L37	1	L3 and (transplant$ same ((differentiated or mature) adj cell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:10

EAST Search History

L38	2	L3 and (((differentiated or mature) adj (neural adj cell)) and ((green adj fluorescent adj protein) or eGFP))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 16:11